**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

## Pre measurements

Pre measurement recorded on: 16/05/2020.

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 4 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed,concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. | | | | | | |
| | **For Vent Portion** | | | | | | |
| | **Subbanna Main Road** | | | | | | |
| | LHS | 1 | 26.00 | 0.60 | 0.10 | 1.56 | |
| | | 1 | 18.00 | 0.60 | 0.10 | 1.08 | |
| | | 1 | 19.90 | 0.60 | 0.10 | 1.19 | |
| | RHS | | | | | | |
| | | 1 | 19.30 | 0.60 | 0.10 | 1.16 | |
| | | 1 | 11.50 | 0.60 | 0.10 | 0.69 | |
| | | 1 | 19.90 | 0.60 | 0.10 | 1.19 | |
| | 2nd A cross Road | | | | | | |
| | | 1 | 30.00 | 0.60 | 0.10 | 1.80 | |
| | | 1 | 9.00 | 0.60 | 0.10 | 0.54 | |
| | **Coping** | | | | | | |
| | **Subbanna Main Road** | | | | | | |
| | LHS | 2 | 26.00 | 0.15 | 0.10 | 0.78 | |
| | | 2 | 18.00 | 0.15 | 0.10 | 0.54 | |
| | | 2 | 19.90 | 0.15 | 0.10 | 0.60 | |
| | RHS | | | | | | |
| | | 2 | 19.30 | 0.15 | 0.10 | 0.58 | |
| | | 2 | 11.50 | 0.15 | 0.10 | 0.35 | |
| | | 2 | 19.90 | 0.15 | 0.10 | 0.60 | |
| | 2nd A cross Road | | | | | | |
| | | 2 | 30.00 | 0.15 | 0.10 | 0.90 | |
| | | 2 | 9.00 | 0.15 | 0.10 | 0.27 | |
| | | | | | **Present Qty** | **13.82** | **Cum** |

PMC

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



Scanned with CamScanner

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

## Pre measurements

Pre measurement recorded on: 20/05/2020.

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. | | | | | | |
| | **Doddabommasandra Village Surroundings** | | | | | | |
| | **Cross road** | | | | | | |
| | **RHS** | | | | | | |
| | **Total Drain length=65.00 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:525 No's** | 525 | 2.40 | | 0.62 | 781.20 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 20 | 65.00 | | 0.62 | 806.00 | |
| | **LHS** | | | | | | |
| | **Total Drain length=49.00 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:401 No's** | 401 | 2.40 | | 0.62 | 596.69 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 20 | 49.00 | | 0.62 | 607.60 | |
| | **Right side Cross road from Main Road** | | | | | | |
| | **Total Drain length=11.80 mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:102 No's** | 102 | 2.95 | | 0.62 | 186.56 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 24 | 11.80 | | 0.62 | 175.58 | |
| | **Cross road From 2nd A Cross** | | | | | | |
| | **Total Drain length=15.00 mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:122 No's** | 122 | 2.95 | | 0.62 | 223.14 | |



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| Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | 24 | 14.30 | | 0.62 | 209.24 | |
| **2nd A Cross(L Shape drain)** | | | | | | |
| **Total Drain length=14.00 mtr** | | | | | | |
| Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| **No of U Bars:112 No's** | 112 | 0.60 | | 0.62 | 41.66 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | 5 | 14.00 | | 0.62 | 43.40 | |
| **2nd cross, Jayamma road** | | | | | | |
| **LHS** | | | | | | |
| **Total Drain length=60.00 mtr** | | | | | | |
| Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| **No of U Bars:482 No's** | 482 | 1.70 | | 0.62 | 508.03 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | 14 | 60.00 | | 0.62 | 505.92 | |
| **RHS** | | | | | | |
| **Total Drain length=60.00 mtr** | | | | | | |
| Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| **No of U Bars:482 No's** | 482 | 1.70 | | 0.62 | 508.03 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | 14 | 60.00 | | 0.62 | 505.92 | |
| **Culverts** | | | | | | |
| **Main Road(Near Veterinary Hospital)** | | | | | | |
| **Total Drain length=4.00 mtr** | | | | | | |
| Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| 0.89kg/mtr | | | | | | |
| Top | 32 | 2.80 | | 0.89 | 79.74 | |
| Bottom | 32 | 3.05 | | 0.89 | 86.86 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| Top | 22 | 4.00 | | 0.62 | 55.55 | |
| Bottom | 24 | 4.00 | | 0.62 | 60.51 | |
| **2nd B Cross from Subbanna Road** | | | | | | |
| **Total Drain length=3.80 mtr** | | | | | | |
| Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| 0.89kg/mtr | | | | | | |



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| Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|
| Top | 30 | 2.80 | | 0.89 | 75.76 | |
| Bottom | 30 | 3.05 | | 0.89 | 82.52 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| Top | 22 | 3.80 | | 0.62 | 52.77 | |
| Bottom | 24 | 3.80 | | 0.62 | 57.49 | |
| **2nd C Cross from Subbanna Road** | | | | | | |
| **Total Drain length=4.90 mtr** | | | | | | |
| Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| 0.89kg/mtr | | | | | | |
| Top | 39 | 2.80 | | 0.89 | 97.69 | |
| Bottom | 39 | 3.05 | | 0.89 | 106.41 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| Top | 22 | 4.90 | | 0.62 | 68.05 | |
| Bottom | 24 | 4.90 | | 0.62 | 74.13 | |
| **2nd D Cross from Subbanna Road** | | | | | | |
| **Total Drain length=4.30 mtr** | | | | | | |
| Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| 0.89kg/mtr | | | | | | |
| Top | 34 | 2.80 | | 0.89 | 85.72 | |
| Bottom | 34 | 3.05 | | 0.89 | 93.38 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| Top | 22 | 4.30 | | 0.62 | 59.72 | |
| Bottom | 24 | 4.30 | | 0.62 | 65.05 | |
| **Deck Slab** | | | | | | |
| **Right Side CrossNear Veterinary Hospital)** | | | | | | |
| **Total Drain length=30.20mtr** | | | | | | |
| Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| 0.62kg/mtr | | | | | | |
| | 201 | 2.35 | | 0.62 | 293.34 | |
| Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| 0.62kg/mtr | 16 | 30.20 | | 0.62 | 293.34 | |
| | | | | **Present Qty** | **7487.01** | **Kg** |
| | | | | **Present Qty** | **7.49** | **Tonne** |

PMC

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer
Vidyaranya Pura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



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Name of Work :**Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

## Pre measurements

Pre measurement recorded on: 12/03/2020.

| Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. | | | | | | | | |
| For CC Road | | | | | | | | |
| Doddabommasandra village Surroundings | | | | | | | | |
| Main Road(Near VeterinaryHospital) | | | | | | | | |
| | 1 | 2.80 | 1.45 | 1.60 | 1.53 | 0.20 | 0.85 | |
| | 1 | 12.40 | 6.85 | 6.60 | 6.73 | 0.20 | 16.68 | |
| | 1 | 16.90 | 5.00 | 4.50 | 4.75 | 0.20 | 16.06 | |
| | 1 | 15.00 | 5.50 | 4.55 | 5.03 | 0.20 | 15.08 | |
| | 1 | 9.00 | 4.55 | 5.60 | 5.08 | 0.20 | 9.14 | |
| | 1 | 9.90 | 7.40 | 6.00 | 6.70 | 0.20 | 13.27 | |
| | 1 | 9.00 | 4.55 | 5.35 | 4.95 | 0.20 | 8.91 | |
| 1st cross (Raja Beedhi) | | | | | | | | |
| | 1 | 5.20 | 2.90 | 2.70 | 2.80 | 0.20 | 2.91 | |
| | 1 | 4.30 | 3.50 | 4.00 | 3.75 | 0.15 | 2.42 | |
| | 1 | 13.30 | 3.15 | 2.75 | 2.95 | 0.15 | 5.89 | |
| | 1 | 6.70 | 1.70 | 2.40 | 2.05 | 0.20 | 2.75 | |
| | 1 | 15.00 | 3.20 | 2.35 | 2.78 | 0.15 | 6.24 | |
| | 1 | 15.80 | 2.35 | 2.90 | 2.63 | 0.15 | 6.22 | |
| Cross Road-1 | | | | | | | | |
| | 1 | 4.30 | 2.70 | 2.70 | 2.70 | 0.15 | 1.74 | |
| | 1 | 18.00 | 3.30 | 3.60 | 3.45 | 0.15 | 9.32 | |
| | 1 | 2.55 | 2.60 | 1.55 | 2.08 | 0.15 | 0.79 | |
| | 1 | 15.00 | 1.60 | 1.90 | 1.75 | 0.15 | 3.94 | |
| | 1 | 7.60 | 1.90 | 2.90 | 2.40 | 0.15 | 2.74 | |
| Cross Road-2 | | | | | | | | |
| | 1 | 3.40 | 2.10 | 2.00 | 2.05 | 0.15 | 1.05 | |
| | 1 | 9.90 | 2.40 | 2.00 | 2.20 | 0.15 | 3.27 | |
| | 1 | 4.30 | 3.40 | 3.40 | 3.40 | 0.15 | 2.19 | |
| | 1 | 5.15 | 1.40 | 1.30 | 1.35 | 0.15 | 1.04 | |
| | 1 | 7.85 | 3.50 | 3.20 | 3.35 | 0.15 | 3.94 | |
| | 1 | 3.20 | 2.45 | 2.25 | 2.35 | 0.15 | 1.13 | |
| | 1 | 15.00 | 1.70 | 1.90 | 1.80 | 0.15 | 4.05 | |
| | 1 | 5.90 | 1.90 | 2.20 | 2.05 | 0.15 | 1.81 | |
| Approch | 1 | 6.65 | 1.85 | 2.20 | 2.03 | 0.15 | 2.02 | |
| Cross Road-3 | 1 | 2.10 | 1.20 | 1.20 | 1.20 | 0.15 | 0.38 | |
| | 1 | 2.00 | 2.20 | 1.50 | 1.85 | 0.15 | 0.56 | |
| | 1 | 6.00 | 2.50 | 1.50 | 2.00 | 0.15 | 1.80 | |
| Cross Road-4 | 1 | 10.30 | 1.50 | 0.80 | 1.15 | 0.15 | 1.78 | |

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore - 0



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| Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| | 1 | 5.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.54 | |
| | 1 | 2.65 | 1.60 | 1.60 | 1.60 | 0.15 | 0.64 | |
| | 1 | 2.00 | 1.25 | 1.25 | 1.25 | 0.15 | 0.38 | |
| | 1 | 4.40 | 3.35 | 2.55 | 2.95 | 0.15 | 1.95 | |
| Cross Road-5 | | | | | | | | |
| | 1 | 14.20 | 2.60 | 2.30 | 2.45 | 0.15 | 5.22 | |
| | 1 | 5.20 | 3.00 | 3.90 | 3.45 | 0.15 | 2.69 | |
| | 1 | (1/2*1.8*2.35) | | | | 0.15 | 0.32 | |
| | 1 | 7.00 | 1.90 | 2.30 | 2.10 | 0.15 | 2.21 | |
| | 1 | 7.00 | 2.00 | 2.70 | 2.35 | 0.15 | 2.47 | |
| | 1 | 1.75 | 1.90 | 1.90 | 1.90 | 0.15 | 0.50 | |
| Cross Road-6 | | | | | | | | |
| | 1 | 7.90 | 1.60 | 1.60 | 1.60 | 0.15 | 1.90 | |
| | 1 | 15.60 | 3.00 | 2.70 | 2.85 | 0.15 | 6.67 | |
| | 1 | 4.30 | 2.70 | 2.30 | 2.50 | 0.15 | 1.61 | |
| Cross Road-7 | | | | | | | | |
| | 1 | 15.00 | 1.60 | 1.80 | 1.70 | 0.15 | 3.83 | |
| | 1 | 7.50 | 4.00 | 5.00 | 4.50 | 0.15 | 5.06 | |
| Cross Road-8 | | | | | | | | |
| | 1 | 15.00 | 3.10 | 3.00 | 3.05 | 0.20 | 9.15 | |
| | 1 | 18.30 | 3.30 | 2.45 | 2.88 | 0.20 | 10.52 | |
| | 1 | 1.45 | 1.25 | 1.25 | 1.25 | 0.20 | 0.36 | |
| Cross Road-9 | | | | | | | | |
| | 1 | 2.70 | 3.80 | 3.00 | 3.40 | 0.15 | 1.38 | |
| | 1 | 13.00 | 2.60 | 2.30 | 2.45 | 0.15 | 4.78 | |
| | 1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | 0.22 | |
| Cross Road-10 | | | | | | | | |
| | 1 | 3.40 | 3.20 | 2.90 | 3.05 | 0.15 | 1.56 | |
| | 1 | 15.00 | 2.00 | 1.95 | 1.98 | 0.15 | 4.44 | |
| 2nd A cross road | | | | | | | | |
| | 1 | 15.00 | 1.50 | 1.90 | 1.70 | 0.20 | 5.10 | |
| | 1 | 3.40 | 3.60 | 3.60 | 3.60 | 0.20 | 2.45 | |
| | 1 | 5.55 | 3.40 | 3.70 | 3.55 | 0.20 | 3.94 | |
| | 1 | 17.50 | 4.60 | 3.60 | 4.10 | 0.20 | 14.35 | |
| Cross road From 2nd A cross | | | | | | | | |
| | 1 | 10.60 | 3.80 | 2.90 | 3.35 | 0.15 | 5.33 | |
| | 1 | 7.40 | 3.40 | 2.80 | 3.10 | 0.15 | 3.44 | |
| | 1 | 9.60 | 2.00 | 1.75 | 1.88 | 0.15 | 2.70 | |
| | 1 | 4.00 | 1.20 | 0.90 | 1.05 | 0.15 | 0.63 | |
| | 1 | 8.70 | 2.60 | 3.90 | 3.25 | 0.15 | 4.24 | |
| Near 2nd A Cross | | | | | | | | |
| | 1 | 3.00 | 2.40 | 2.40 | 2.40 | 0.15 | 1.08 | |
| | 1 | 3.00 | 1.75 | 1.85 | 1.80 | 0.15 | 0.81 | |
| | 1 | 4.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.27 | |
| Subbanna Main Road | | | | | | | | |
| | 1 | 15.00 | 4.75 | 4.30 | 4.53 | 0.20 | 13.58 | |
| | 1 | 15.00 | 4.30 | 4.50 | 4.40 | 0.20 | 13.20 | |



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| Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| | 1 | 13.60 | 4.50 | 4.40 | 4.45 | 0.20 | 12.10 | |
| | | | | | | | | |
| | 1 | 15.00 | 4.00 | 3.80 | 3.90 | 0.20 | 11.70 | |
| 2nd A cross | 1 | 9.40 | 3.80 | 4.10 | 3.95 | 0.20 | 7.43 | |
| | | | | | | | | |
| | 1 | 15.00 | 3.90 | 3.90 | 3.90 | 0.20 | 11.70 | |
| | 1 | 15.00 | 3.90 | 3.70 | 3.80 | 0.20 | 11.40 | |
| 2nd B cross | 1 | 8.80 | 3.70 | 3.50 | 3.60 | 0.20 | 6.34 | |
| | | | | | | | | |
| | 1 | 15.00 | 4.20 | 4.70 | 4.45 | 0.20 | 13.35 | |
| | 1 | 15.00 | 4.70 | 4.10 | 4.40 | 0.20 | 13.20 | |
| 2nd C cross | 1 | 12.50 | 4.10 | 4.50 | 4.30 | 0.20 | 10.75 | |
| | | | | | | | | |
| | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.20 | 16.50 | |
| | 1 | 12.30 | 5.50 | 5.40 | 5.45 | 0.20 | 13.41 | |
| 2nd cross, Jayamma road | 1 | 6.10 | 4.20 | 4.20 | 4.20 | 0.15 | 3.84 | |
| | | | | | | | | |
| | 1 | 15.00 | 3.30 | 3.30 | 3.30 | 0.20 | 9.90 | |
| | 1 | 15.00 | 3.30 | 3.45 | 3.38 | 0.20 | 10.13 | |
| | 1 | 15.00 | 3.45 | 3.80 | 3.63 | 0.20 | 10.88 | |
| | 1 | 14.40 | 3.80 | 4.00 | 3.90 | 0.20 | 11.23 | |
| | 1 | 10.00 | 5.60 | 5.70 | 5.65 | 0.20 | 11.30 | |
| Deductions | | | | | | | | |
| Main Road(Near Veterinary Hospital) | | | | | | | | |
| Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | 0.15 | -0.29 | |
| | -1 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.05 | |
| step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.27 | |
| STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| 1st cross (Raja Beedhi) | | | | | | | | |
| Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | 0.15 | -0.07 | |
| | -1 | 2.30 | 0.30 | 0.30 | 0.30 | 0.15 | -0.10 | |
| Man Hole | -3 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.29 | |
| Cross Road-1 | | | | | | | | |
| Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| Cross Road-2 | | | | | | | | |
| Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | -1 | 0.80 | 0.70 | 0.70 | 0.70 | 0.15 | -0.08 | |
| steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.22 | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| Cross Road-3 | | | | | | | | |
| Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| Cross Road-5 | | | | | | | | |
| Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | -0.22 | |
| | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |



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| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | steps | -1 | 1.00 | 0.80 | 0.80 | 0.80 | 0.15 | -0.12 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-6** | | | | | | | | |
| | Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | 0.15 | -0.13 | |
| | Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | 0.15 | -0.01 | |
| | **Cross Road-7** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-8** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross road** | | | | | | | | |
| | steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | 0.15 | -0.09 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | | -1 | 1.10 | 1.60 | 1.60 | 1.60 | 0.15 | -0.26 | |
| | Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | 0.15 | -0.18 | |
| | steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.36 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Subbanna Main Road** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd B cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd C cross** | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.29 | |
| | Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | 0.15 | -0.30 | |
| | | | | | | | **Present Qty** | **471.02** | **Cum** |

BVH Consulting Engineers Pvt. Ltd. Bangalore

RMC

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranyapura Sub division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



Scanned with CamScanner

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

## Detailed measurements

Detailed measurement recorded on: 14/03/2020

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 11 | Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. | | | | | | | | |
| | For CC Road | | | | | | | | |
| | Doddabommasandra village Surroundings | | | | | | | | |
| | Main Road(Near Veterinary Hospital) | | | | | | | | |
| | | 1 | 2.80 | 1.45 | 1.60 | 1.53 | | 4.27 | |
| | | 1 | 12.40 | 6.85 | 6.60 | 6.73 | | 83.39 | |
| | | 1 | 16.90 | 5.00 | 4.50 | 4.75 | | 80.28 | |
| | | 1 | 15.00 | 5.50 | 4.55 | 5.03 | | 75.38 | |
| | | 1 | 9.00 | 4.55 | 5.60 | 5.08 | | 45.68 | |
| | | 1 | 9.90 | 7.40 | 6.00 | 6.70 | | 66.33 | |
| | | 1 | 9.00 | 4.55 | 5.35 | 4.95 | | 44.55 | |
| | 1st cross (Raja Beedhi) | | | | | | | | |
| | | 1 | 5.20 | 2.90 | 2.70 | 2.80 | | 14.56 | |
| | | 1 | 4.30 | 3.50 | 4.00 | 3.75 | | 16.13 | |
| | | 1 | 13.30 | 3.15 | 2.75 | 2.95 | | 39.24 | |
| | | 1 | 6.70 | 1.70 | 2.40 | 2.05 | | 13.74 | |
| | | 1 | 15.00 | 3.20 | 2.35 | 2.78 | | 41.63 | |
| | | 1 | 15.80 | 2.35 | 2.90 | 2.63 | | 41.48 | |
| | Cross Road-1 | | | | | | | | |
| | | 1 | 4.30 | 2.70 | 2.70 | 2.70 | | 11.61 | |
| | | 1 | 18.00 | 3.30 | 3.60 | 3.45 | | 62.10 | |
| | | 1 | 2.55 | 2.60 | 1.55 | 2.08 | | 5.29 | |
| | | 1 | 15.00 | 1.60 | 1.90 | 1.75 | | 26.25 | |
| | | 1 | 7.60 | 1.90 | 2.90 | 2.40 | | 18.24 | |
| | Cross Road-2 | | | | | | | | |
| | | 1 | 3.40 | 2.10 | 2.00 | 2.05 | | 6.97 | |
| | | 1 | 9.90 | 2.40 | 2.00 | 2.20 | | 21.78 | |
| | | 1 | 4.30 | 3.40 | 3.40 | 3.40 | | 14.62 | |
| | | 1 | 5.15 | 1.40 | 1.30 | 1.35 | | 6.95 | |
| | | 1 | 7.85 | 3.50 | 3.20 | 3.35 | | 26.30 | |
| | | 1 | 3.20 | 2.45 | 2.25 | 2.35 | | 7.52 | |
| | | 1 | 15.00 | 1.70 | 1.90 | 1.80 | | 27.00 | |
| | | 1 | 5.90 | 1.90 | 2.20 | 2.05 | | 12.10 | |
| | | 1 | 6.65 | 1.85 | 2.20 | 2.03 | | 13.47 | |
| | Approch | 1 | 2.10 | 1.20 | 1.20 | 1.20 | | 2.52 | |
| | Cross Road-3 | | | | | | | | |
| | | 1 | 2.00 | 2.20 | 1.50 | 1.85 | | 3.70 | |
| | | 1 | 6.00 | 2.50 | 1.50 | 2.00 | | 12.00 | |
| | | 1 | 10.30 | 1.50 | 0.80 | 1.15 | | 11.85 | |
| | Cross Road-4 | | | | | | | | |
| | | 1 | 5.70 | 1.80 | 1.80 | 1.80 | | 10.26 | |
| | | 1 | 2.65 | 1.60 | 1.60 | 1.60 | | 4.24 | |
| | | 1 | 2.00 | 1.25 | 1.25 | 1.25 | | 2.50 | |
| | | 1 | 4.40 | 3.35 | 2.55 | 2.95 | | 12.98 | |
| | Cross Road-5 | | | | | | | | |
| | | 1 | 14.20 | 2.60 | 2.30 | 2.45 | | 34.79 | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



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| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 5.20 | 3.00 | 3.90 | 3.45 | | 17.94 | |
| | | 1 | (1/2*1.8*2.35) | | | | | 2.12 | |
| | | 1 | 7.00 | 1.90 | 2.30 | 2.10 | | 14.70 | |
| | | 1 | 7.00 | 2.00 | 2.70 | 2.35 | | 16.45 | |
| | | 1 | 1.75 | 1.90 | 1.90 | 1.90 | | 3.33 | |
| | Cross Road-6 | | | | | | | | |
| | | 1 | 7.90 | 1.60 | 1.60 | 1.60 | | 12.64 | |
| | | 1 | 15.60 | 3.00 | 2.70 | 2.85 | | 44.46 | |
| | | 1 | 4.30 | 2.70 | 2.30 | 2.50 | | 10.75 | |
| | Cross Road-7 | | | | | | | | |
| | | 1 | 15.00 | 1.60 | 1.80 | 1.70 | | 25.50 | |
| | | 1 | 7.50 | 4.00 | 5.00 | 4.50 | | 33.75 | |
| | Cross Road-8 | | | | | | | | |
| | | 1 | 15.00 | 3.10 | 3.00 | 3.05 | | 45.75 | |
| | | 1 | 18.30 | 3.30 | 2.45 | 2.88 | | 52.61 | |
| | | 1 | 1.45 | 1.25 | 1.25 | 1.25 | | 1.81 | |
| | Cross Road-9 | | | | | | | | |
| | | 1 | 2.70 | 3.80 | 3.00 | 3.40 | | 9.18 | |
| | | 1 | 13.00 | 2.60 | 2.30 | 2.45 | | 31.85 | |
| | | 1 | 1.20 | 1.20 | 1.20 | 1.20 | | 1.44 | |
| | Cross Road-10 | | | | | | | | |
| | | 1 | 3.40 | 3.20 | 2.90 | 3.05 | | 10.37 | |
| | | 1 | 15.00 | 2.00 | 1.95 | 1.98 | | 29.63 | |
| | 2nd A cross road | | | | | | | | |
| | | 1 | 15.00 | 1.50 | 1.90 | 1.70 | | 25.50 | |
| | | 1 | 3.40 | 3.60 | 3.60 | 3.60 | | 12.24 | |
| | | 1 | 5.55 | 3.40 | 3.70 | 3.55 | | 19.70 | |
| | | 1 | 17.50 | 4.60 | 3.60 | 4.10 | | 71.75 | |
| | Cross road From 2nd A cross | | | | | | | | |
| | | 1 | 10.60 | 3.80 | 2.90 | 3.35 | | 35.51 | |
| | | 1 | 7.40 | 3.40 | 2.80 | 3.10 | | 22.94 | |
| | | 1 | 9.60 | 2.00 | 1.75 | 1.88 | | 18.00 | |
| | | 1 | 4.00 | 1.20 | 0.90 | 1.05 | | 4.20 | |
| | | 1 | 8.70 | 2.60 | 3.90 | 3.25 | | 28.28 | |
| | | | | | | | | | |
| | Near 2nd A Cross | | | | | | | | |
| | | 1 | 3.00 | 2.40 | 2.40 | 2.40 | | 7.20 | |
| | | 1 | 3.00 | 1.75 | 1.85 | 1.80 | | 5.40 | |
| | | 1 | 4.70 | 1.80 | 1.80 | 1.80 | | 8.46 | |
| | Ashwath Katte | | | | | | | | |
| | | 1 | 15.60 | 4.40 | 5.10 | 4.75 | | 74.10 | |
| | | 1 | 9.20 | 4.80 | 4.45 | 4.63 | | 42.55 | |
| | Subbanna Main Road | | | | | | | | |
| | | 1 | 15.00 | 4.75 | 4.30 | 4.53 | | 67.88 | |
| | | 1 | 15.00 | 4.30 | 4.50 | 4.40 | | 66.00 | |
| | | 1 | 13.60 | 4.50 | 4.40 | 4.45 | | 60.52 | |
| | | | | | | | | | |
| | | 1 | 15.00 | 4.00 | 3.80 | 3.90 | | 58.50 | |
| | | 1 | 9.40 | 3.80 | 4.10 | 3.95 | | 37.13 | |
| | 2nd A cross | | | | | | | | |
| | | 1 | 15.00 | 3.90 | 3.90 | 3.90 | | 58.50 | |
| | | 1 | 15.00 | 3.90 | 3.70 | 3.80 | | 57.00 | |
| | | 1 | 8.80 | 3.70 | 3.50 | 3.60 | | 31.68 | |
| | 2nd B cross | | | | | | | | |

Assistant Executive Engineer
Vijayanagara Sub Division
BDA, Bangalore-9



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| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 15.00 | 4.20 | 4.70 | 4.45 | | 66.75 | |
| | | 1 | 15.00 | 4.70 | 4.10 | 4.40 | | 66.00 | |
| | | 1 | 12.50 | 4.10 | 4.50 | 4.30 | | 53.75 | |
| | **2nd C cross** | | | | | | | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | | 82.50 | |
| | | 1 | 12.30 | 5.50 | 5.40 | 5.45 | | 67.04 | |
| | | 1 | 6.10 | 4.20 | 4.20 | 4.20 | | 25.62 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | | 1 | 15.00 | 3.30 | 3.30 | 3.30 | | 49.50 | |
| | | 1 | 15.00 | 3.30 | 3.45 | 3.38 | | 50.63 | |
| | | 1 | 15.00 | 3.45 | 3.80 | 3.63 | | 54.38 | |
| | | 1 | 14.40 | 3.80 | 4.00 | 3.90 | | 56.16 | |
| | | 1 | 10.00 | 5.60 | 5.70 | 5.65 | | 56.50 | |
| | **Deductions** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | | -1.96 | |
| | | -1 | 0.60 | 0.60 | 0.60 | 0.60 | | -0.36 | |
| | step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | | -1.80 | |
| | STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | | -0.42 | |
| | Man Hole | -2 | (3.142*0.9*0.9/4) | | | | | -1.27 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | | -0.72 | |
| | step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | | -0.44 | |
| | | -1 | 2.30 | 0.30 | 0.30 | 0.30 | | -0.69 | |
| | Man Hole | -3 | (3.142*0.9*0.9/4) | | | | | -1.91 | |
| | **Cross Road-1** | | | | | | | | |
| | Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | | -0.42 | |
| | Man Hole | -2 | (3.142*0.9*0.9/4) | | | | | -1.27 | |
| | **Cross Road-2** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | | -0.72 | |
| | | -1 | 0.80 | 0.70 | 0.70 | 0.70 | | -0.56 | |
| | steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | | -1.44 | |
| | Man Hole | -1 | (3.142*0.9*0.9/4) | | | | | -0.64 | |
| | **Cross Road-3** | | | | | | | | |
| | Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | | -0.64 | |
| | Man Hole | -1 | (3.142*0.9*0.9/4) | | | | | -0.64 | |
| | **Cross Road-5** | | | | | | | | |
| | Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | | -1.44 | |
| | | -1 | 0.45 | 0.45 | 0.45 | 0.45 | | -0.20 | |
| | | -1 | 0.80 | 0.80 | 0.80 | 0.80 | | -0.64 | |
| | steps | -1 | 1.00 | 0.80 | 0.80 | 0.80 | | -0.80 | |
| | Man Hole | -1 | (3.142*0.9*0.9/4) | | | | | -0.64 | |
| | **Cross Road-6** | | | | | | | | |
| | Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | | -0.84 | |
| | Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | | -0.09 | |
| | **Cross Road-7** | | | | | | | | |
| | Man Hole | -1 | (3.142*0.9*0.9/4) | | | | | -0.64 | |
| | **Cross Road-8** | | | | | | | | |
| | Man Hole | -1 | (3.142*0.9*0.9/4) | | | | | -0.64 | |
| | **2nd A cross road** | | | | | | | | |
| | steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | | -0.60 | |
| | Man Hole | -2 | (3.142*0.9*0.9/4) | | | | | -1.27 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | | -0.20 | |
| | | -1 | 1.10 | 1.60 | 1.60 | 1.60 | | -1.76 | |



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| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | | -1.20 | |
| | steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | | -2.40 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Ashwath Katte** | | | | | | | | |
| | Pole | -1 | 0.60 | 0.50 | 0.50 | 0.50 | | -0.30 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Subbanna Main Road** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **2nd A cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **2nd B cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **2nd C cross** | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | -1.27 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | | -1.91 | |
| | Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | | -2.00 | |
| | | | | | | | **Present Qty** | **2689.86** | **Sqm** |

PMC
BVH Consulting Engineers Pvt. Ltd., Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer
Vidyaranya Pura Sub division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



Scanned with CamScanner

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

## Pre measurements

Pre measurement recorded on: 13/05/2020.

| Item No. | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 12 | Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. | | | | | | | | |
| | **For CC Road** | | | | | | | | |
| | **Doddabommasandra village Surroundings** | | | | | | | | |
| | **Main Road(Near Veterinary Hoapital)** | | | | | | | | |
| | | 1 | 2.80 | 1.45 | 1.60 | 1.53 | 0.15 | 0.64 | |
| | | 1 | 12.40 | 6.85 | 6.60 | 6.73 | 0.15 | 12.51 | |
| | | 1 | 16.90 | 5.00 | 4.50 | 4.75 | 0.15 | 12.04 | |
| | | 1 | 15.00 | 5.50 | 4.55 | 5.03 | 0.15 | 11.31 | |
| | | 1 | 9.00 | 4.55 | 5.60 | 5.08 | 0.15 | 6.85 | |
| | | 1 | 9.90 | 7.40 | 6.00 | 6.70 | 0.15 | 9.95 | |
| | | 1 | 9.00 | 4.55 | 5.35 | 4.95 | 0.15 | 6.68 | |
| | **Right Side CrossNear Veterinary Hospital** | | | | | | | | |
| | | 1 | 11.80 | 1.40 | 1.40 | 1.40 | 0.15 | 2.48 | |
| | | 1 | 18.40 | 1.00 | 1.00 | 1.00 | 0.15 | 2.76 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | | 1 | 5.20 | 2.90 | 2.70 | 2.80 | 0.15 | 2.18 | |
| | | 1 | 4.30 | 3.50 | 4.00 | 3.75 | 0.15 | 2.42 | |
| | | 1 | 13.30 | 3.15 | 2.75 | 2.95 | 0.15 | 5.89 | |
| | | 1 | 6.70 | 1.70 | 2.40 | 2.05 | 0.15 | 2.06 | |
| | | 1 | 15.00 | 3.20 | 2.35 | 2.78 | 0.15 | 6.24 | |
| | | 1 | 15.80 | 2.35 | 2.90 | 2.63 | 0.15 | 6.22 | |
| | **Cross Road-1** | | | | | | | | |
| | | 1 | 4.30 | 2.70 | 2.70 | 2.70 | 0.15 | 1.74 | |
| | | 1 | 18.00 | 3.30 | 3.60 | 3.45 | 0.15 | 9.32 | |
| | | 1 | 2.55 | 2.60 | 1.55 | 2.08 | 0.15 | 0.79 | |
| | | 1 | 15.00 | 1.60 | 1.90 | 1.75 | 0.15 | 3.94 | |
| | | 1 | 7.60 | 1.90 | 2.90 | 2.40 | 0.15 | 2.74 | |
| | **Cross Road-2** | | | | | | | | |
| | | 1 | 3.40 | 2.10 | 2.00 | 2.05 | 0.15 | 1.05 | |
| | | 1 | 9.90 | 2.40 | 2.00 | 2.20 | 0.15 | 3.27 | |
| | | 1 | 4.30 | 3.40 | 3.40 | 3.40 | 0.15 | 2.19 | |
| | | 1 | 5.15 | 1.40 | 1.30 | 1.35 | 0.15 | 1.04 | |
| | | 1 | 7.85 | 3.50 | 3.20 | 3.35 | 0.15 | 3.94 | |
| | | 1 | 3.20 | 2.45 | 2.25 | 2.35 | 0.15 | 1.13 | |
| | | 1 | 15.00 | 1.70 | 1.90 | 1.80 | 0.15 | 4.05 | |
| | | 1 | 5.90 | 1.90 | 2.20 | 2.05 | 0.15 | 1.81 | |
| | | 1 | 6.65 | 1.85 | 2.20 | 2.03 | 0.15 | 2.02 | |
| | Approch | 1 | 2.10 | 1.20 | 1.20 | 1.20 | 0.15 | 0.38 | |

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Scanned with CamScanner

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | **Cross Road-3** | | | | | | | | |
| | | 1 | 2.00 | 2.20 | 1.50 | 1.85 | 0.15 | 0.56 | |
| | | 1 | 6.00 | 2.50 | 1.50 | 2.00 | 0.15 | 1.80 | |
| | | 1 | 10.30 | 1.50 | 0.80 | 1.15 | 0.15 | 1.78 | |
| | **Cross Road-4** | | | | | | | | |
| | | 1 | 5.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.54 | |
| | | 1 | 2.65 | 1.60 | 1.60 | 1.60 | 0.15 | 0.64 | |
| | | 1 | 2.00 | 1.25 | 1.25 | 1.25 | 0.15 | 0.38 | |
| | | 1 | 4.40 | 3.35 | 2.55 | 2.95 | 0.15 | 1.95 | |
| | **Cross Road-5** | | | | | | | | |
| | | 1 | 14.20 | 2.60 | 2.30 | 2.45 | 0.15 | 5.22 | |
| | | 1 | 5.20 | 3.00 | 3.90 | 3.45 | 0.15 | 2.69 | |
| | | 1 | (1/2*1.8*2.35) | | | | 0.15 | 0.32 | |
| | | 1 | 7.00 | 1.90 | 2.30 | 2.10 | 0.15 | 2.21 | |
| | | 1 | 7.00 | 2.00 | 2.70 | 2.35 | 0.15 | 2.47 | |
| | | 1 | 1.75 | 1.90 | 1.90 | 1.90 | 0.15 | 0.50 | |
| | **Cross Road-6** | | | | | | | | |
| | | 1 | 7.90 | 1.60 | 1.60 | 1.60 | 0.15 | 1.90 | |
| | | 1 | 15.60 | 3.00 | 2.70 | 2.85 | 0.15 | 6.67 | |
| | | 1 | 4.30 | 2.70 | 2.30 | 2.50 | 0.15 | 1.61 | |
| | **Cross Road-7** | | | | | | | | |
| | | 1 | 15.00 | 1.60 | 1.80 | 1.70 | 0.15 | 3.83 | |
| | | 1 | 7.50 | 4.00 | 5.00 | 4.50 | 0.15 | 5.06 | |
| | **Cross Road-8** | | | | | | | | |
| | | 1 | 15.00 | 3.10 | 3.00 | 3.05 | 0.15 | 6.86 | |
| | | 1 | 18.30 | 3.30 | 2.45 | 2.88 | 0.15 | 7.89 | |
| | | 1 | 1.45 | 1.25 | 1.25 | 1.25 | 0.15 | 0.27 | |
| | **Cross Road-9** | | | | | | | | |
| | | 1 | 2.70 | 3.80 | 3.00 | 3.40 | 0.15 | 1.38 | |
| | | 1 | 13.00 | 2.60 | 2.30 | 2.45 | 0.15 | 4.78 | |
| | | 1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | 0.22 | |
| | **Cross Road-10** | | | | | | | | |
| | | 1 | 3.40 | 3.20 | 2.90 | 3.05 | 0.15 | 1.56 | |
| | | 1 | 15.00 | 2.00 | 1.95 | 1.98 | 0.15 | 4.44 | |
| | **2nd A cross road** | | | | | | | | |
| | | 1 | 15.00 | 1.50 | 1.90 | 1.70 | 0.15 | 3.83 | |
| | | 1 | 3.40 | 3.60 | 3.60 | 3.60 | 0.15 | 1.84 | |
| | | 1 | 5.55 | 3.40 | 3.70 | 3.55 | 0.15 | 2.96 | |
| | | 1 | 17.50 | 4.60 | 3.60 | 4.10 | 0.15 | 10.76 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | | 1 | 10.60 | 3.80 | 2.90 | 3.35 | 0.15 | 5.33 | |
| | | 1 | 7.40 | 3.40 | 2.80 | 3.10 | 0.15 | 3.44 | |
| | | 1 | 9.60 | 2.00 | 1.75 | 1.88 | 0.15 | 2.70 | |
| | | 1 | 4.00 | 1.20 | 0.90 | 1.05 | 0.15 | 0.63 | |
| | | 1 | 8.70 | 2.60 | 3.90 | 3.25 | 0.15 | 4.24 | |
| | **Near 2nd A Cross** | | | | | | | | |
| | | 1 | 3.00 | 2.40 | 2.40 | 2.40 | 0.15 | 1.08 | |

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| Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| | 1 | 3.00 | 1.75 | 1.85 | 1.80 | 0.15 | 0.81 | |
| Ashwath Katte | 1 | 4.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.27 | |
| | 1 | 15.60 | 4.40 | 5.10 | 4.75 | 0.15 | 11.12 | |
| Subbanna Main Road | 1 | 9.20 | 4.80 | 4.45 | 4.63 | 0.15 | 6.38 | |
| | 1 | 15.00 | 4.75 | 4.30 | 4.53 | 0.15 | 10.18 | |
| | 1 | 15.00 | 4.30 | 4.50 | 4.40 | 0.15 | 9.90 | |
| | 1 | 13.60 | 4.50 | 4.40 | 4.45 | 0.15 | 9.08 | |
| | 1 | 15.00 | 4.00 | 3.80 | 3.90 | 0.15 | 8.78 | |
| 2nd A cross | 1 | 9.40 | 3.80 | 4.10 | 3.95 | 0.15 | 5.57 | |
| | 1 | 15.00 | 3.90 | 3.90 | 3.90 | 0.15 | 8.78 | |
| | 1 | 15.00 | 3.90 | 3.70 | 3.80 | 0.15 | 8.55 | |
| 2nd B cross | 1 | 8.80 | 3.70 | 3.50 | 3.60 | 0.15 | 4.75 | |
| | 1 | 15.00 | 4.20 | 4.70 | 4.45 | 0.15 | 10.01 | |
| | 1 | 15.00 | 4.70 | 4.10 | 4.40 | 0.15 | 9.90 | |
| 2nd C cross | 1 | 12.50 | 4.10 | 4.50 | 4.30 | 0.15 | 8.06 | |
| | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.15 | 12.38 | |
| | 1 | 12.30 | 5.50 | 5.40 | 5.45 | 0.15 | 10.06 | |
| 2nd cross, Jayamma road | 1 | 6.10 | 4.20 | 4.20 | 4.20 | 0.15 | 3.84 | |
| | 1 | 15.00 | 3.30 | 3.30 | 3.30 | 0.15 | 7.43 | |
| | 1 | 15.00 | 3.30 | 3.45 | 3.38 | 0.15 | 7.59 | |
| | 1 | 15.00 | 3.45 | 3.80 | 3.63 | 0.15 | 8.16 | |
| | 1 | 14.40 | 3.80 | 4.00 | 3.90 | 0.15 | 8.42 | |
| | 1 | 10.00 | 5.60 | 5.70 | 5.65 | 0.15 | 8.48 | |
| Deductions | | | | | | | | |
| Main Road(Near Veterinary Hospital) | | | | | | | | |
| Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | 0.15 | -0.29 | |
| | -1 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.05 | |
| step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.27 | |
| STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| 1st cross (Raja Beedhi) | | | | | | | | |
| Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | 0.15 | -0.07 | |
| | -1 | 2.30 | 0.30 | 0.30 | 0.30 | 0.15 | -0.10 | |
| Man Hole | -3 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.29 | |
| Cross Road-1 | | | | | | | | |
| Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| Cross Road-2 | | | | | | | | |
| Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | -1 | 0.80 | 0.70 | 0.70 | 0.70 | 0.15 | -0.08 | |
| steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.22 | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97



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| Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **Cross Road-3** | | | | | | | | |
| Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **Cross Road-5** | | | | | | | | |
| Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | -0.22 | |
| | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| | -1 | 1.00 | 0.80 | 0.80 | 0.80 | 0.15 | -0.12 | |
| steps | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| Man Hole | | | | | | | | |
| **Cross Road-6** | | | | | | | | |
| Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | 0.15 | -0.13 | |
| Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | 0.15 | -0.01 | |
| **Cross Road-7** | | | | | | | | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **Cross Road-8** | | | | | | | | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **2nd A cross road** | | | | | | | | |
| steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | 0.15 | -0.09 | |
| Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| **Cross road From 2nd A cross** | | | | | | | | |
| Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | -1 | 1.10 | 1.60 | 1.60 | 1.60 | 0.15 | -0.26 | |
| Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | 0.15 | -0.18 | |
| steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.36 | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **Ashwath Katte** | | | | | | | | |
| Pole | -1 | 0.60 | 0.50 | 0.50 | 0.50 | 0.15 | -0.05 | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **Subbanna Main Road** | | | | | | | | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **2nd A cross** | | | | | | | | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **2nd B cross** | | | | | | | | |
| Man Hole | -1 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.10 | |
| **2nd C cross** | | | | | | | | |
| Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| **2nd cross, Jayamma road** | | | | | | | | |
| Man Hole | -3 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.29 | |
| Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | 0.15 | -0.30 | |
| | | | | | | **Present Qty** | **408.72** | **Cum** |

PMC

Assistant Engineer
Ward No.10

Asst. Executive Engineer
Vidyaranya Pura Sub division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore



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**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

| | Detailed measurements | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Detailed measurement recorded on:** | | | | | | |
| **Item No** | **Discription of Item** | **No** | **Length** | **Breadth** | **Depth** | **Qty** | **Unit** |
| E-1 | Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 250mm dia ( I No-34.7.2, P No-255 PWD SR 2018-19) | | | | | | |
| | **Pipe For Culvert** | | | | | | |
| | Main Road(Near VeterinaryHospital) | | | | | | |
| | | 1 | 4.00 | | | 4.00 | |
| | | | | | **Present Qty** | **4.00** | **Mtr** |

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Assistant Engineer
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